# Anaesthesia

The official journal of the Association of Anaesthetists of Great Britain and Ireland

Volume 29 (1974)

#### Editorial Board

Editor T. B. BOULTON

Assistant Editors M. D. VICKERS R. S. ATKINSON J. N. LUNN

Advisory Editor C. LANGTON HEWER

Chairman R. BRYCE-SMITH

Members SIR GEOFFREY ORGANE AILEEN ADAMS P. J. HORSEY

J. C. SUGDEN (Junior Anaesthetists' Group Representative)

The President of the Association (ex officio) P. J. HELLIWELL

The Honorary Treasurer of the Association (ex officio) D. D. C. HOWAT

The Honorary Treasurer-Elect of the Association (ex officio) S. A. MASON

The Honorary Secretary of the Association (ex officio) J. S. M. ZORAB

The Honorary Assistant Secretary of the Association (ex officio) M. D. VICKERS

#### Specialist Advisers

W. D. M. PATON (Pharmacology) H. LEHMANN (Clinical Biochemistry)

M. D. MILNE (Medicine and Clinical Pathology) M. P. CURWEN (Statistics)

K. BRYN THOMAS (History of Anaesthesia)

© Copyright 1974 the Association of Anaesthetists of Great Britain and Ireland Printed and bound in Great Britain by Alden & Mowbray Ltd at the Alden Press, Oxford

## **CONTENTS**

## **NUMBER 1, JANUARY 1974**

Cardio-pulmonary function during ether/air/relaxant anaesthesia. A comparison with nitrous oxide/oxygen anaesthesia  J. G. Roberts, C. Prys-Roberts, M. A. Moore & A. N. L. Frazer	4
Liver transplantation in man. Anaesthetic and biochemical management J. V. Farman, J. G. Lines, R. S. Williams, D. B. Evans, J. R. Samuel, S. A. Mason, B. S. Ashby & R. Y. Calne	17
Morphine combined with doxapram or naloxone. A study of post-operative pain relief P. K. Gupta & J. W. Dundee	33
The effect of an infusion of doxapram on morphine analgesia P. K. Gupta & J. W. Dundee	40
Intermittent positive pressure breathing (IPPB) in chronic respiratory disease J. A. Thornton, C. S. Darke & P. Herbert	44
Hyperventilation and psychometric testing. A preliminary study K. R. Murrin & T. M. Nagarajan	50
CASE REPORT Ketamine and pancuronium for the shocked patient A. C. Bond & C. K. Do 59	avies
APPARATUS A precise method of cannulating the lumbar epidural space A. Doughty Misuse of the plug of Cobb's suction union E. D. T. Ross 66	63;
HISTORICAL NOTES Respiration, the pulse and animal heat Julian M. Leigh 69; Bottle, B. Brunton, Bag and Bubble Boyle at Bart's Richard H. Ellis & Thomas B. Boulton 87	lack,
FORUM Pethidine-diazepam analgesia for cystoscopy P. Metz & J. O. Halveg	92
CORRESPONDENCE List of contents 96; Atmospheric pollution; Consent for research; Induin children; Electrical interference: Halothane and pancuronium; Diploma in Anaesthe Domiciliary visits	
Editorial 1; Book reviews 104; Obituaries 107; News and notices 107; Anaesthetic litera	ature
NUMBER 2, MARCH 1974	
Effects of ketamine on the electroencephalograph Martin S. Schwartz, Susan Virden & D. F. Scott	135
The effect of ketamine on pulmonary artery pressure. An experimental and clinical study S. Gassner, M. Cohen, M. Aygen, E. Levy, E. Ventura & Judith Shashdi	141
The interscalene approach to the brachial plexus  M. E. Ward	147
Six potent analgesic drugs. A double-blind study in post-operative pain E. H. D'A. Banister	158
Galanthamine hydrobromide versus neostigmine. A plasma cortisol study in man D. A. Cozanitis	163

CASE REPORTS Undiagnosed congenital oesophago-bronchial fistulas in adults and older children P. Dakaraju, Ruth E. Mansfield & P. Shatapathy 169; A complication of long venous catheters D. L. Coppel & I. O. Samuel 175; Cardiovascular collapse unrelated to anaesthesia. An undiagnosed ectopic pregnancy Rajindar K. Wadha, Saroj R. Wadha & Ramesh C. Khurana 178

APPARATUS Endotracheal tube sizes for children *Philip J. Keep & Margaret L. Manford* 181; An uncommon hazard of armoured endotracheal tubes *M. L. Yeung & Z. Lett* 186; Buried alive. Some fresh air for the conscious patient under towels *P. D. Challen* 188; Humidification of gas mixtures delivered by miniature ventilators *D. B. Weeks & J. Chalon* 191

HISTORICAL NOTES Early treatment with oxygen. The Pneumatic Institute and the panaceal literature of the nineteenth century Julian M. Leigh 194; Ivo Bettini. Jugoslavian pioneer anaesthetist Jagoda Bolčić-Wickerhauser 209

SPECIAL ARTICLE The European scene. The European Economic Community (EEC) D. D. C. Howat 211

FORUM Post-operative pain relief with ketamine infusion Yusuke Ito & Kunio Ichiyanagi 222; Trial of ketamine in an accident and emergency department David B. Caro 227

CORRESPONDENCE List of contents 230; Anaesthesia in developing countries; Consent for research; Insertion of nasogastric tubes; Minnitt Gas-Air apparatus

Editorial 133; Book reviews 235; Obituaries 242; News and notices 242; Courses in anaesthesia 253

#### **NUMBER 3, MAY 1974**

Hypotensive anaesthesia for coarctation. A method of prevention of post-operative hypertension E. J. Bennett & F. Y. Dalal	269
Pulmonary venous admixture during one-lung anaesthesia. The effect of inhaled oxygen tension and respiration rate  T. A. Torda, C. H. McCulloch, H. D. O'Brien, J. S. Wright & D. A. Horton	272
The effect of volatile anaesthetics on common respiratory pathogens. Halothane, trichloroethylene and methoxyflurane S. Mehta, G. Behr & D. Kenyon	280
Morbidity following intravenous injections C. E. Briscoe & P. A. Taylor	290
Post-spinal headache. A preliminary report on the effect of inhaled carbon dioxide	29

CASE REPORTS Accidental intrathecal injection of gallamine triethiodide Samad Mesry & Jalil Baradaran 301; Management of anaesthesia during tracheal resection P. Lee & I. C. W.

English 305

APPARATUS Continuous flushing systems. A critical review R. D. Latimer & K. E. Latimer 307; A multi-purpose anaesthetic apparatus. The Romanest Radu Simionescu 318; Continuous positive airway pressure. A new system J. Pfitzner, M. A. Branthwaite, I. C. W. English & E. A. Shinebourne 326

HISTORICAL NOTE Ideas and anomalies in the evolution of modern oxygen therapy Julian M. Leigh 335

FORUM The clinical testing of weak oral analgesics John B. Stetson 349; Intensive therapy in neonatal tetanus A. Ganendran 357; Anaesthesia for arteriovenous fistulae: a modified stellate ganglion block E. J. Galizia & S. K. Lahiri 362

CORRESPONDENCE List of contents 366; Blind nasal intubation; Nasogastric tubes; Acupuncture; Awareness; CO<sub>2</sub> and N<sub>2</sub>O; Economics of anaesthesia; Ketamine and shock

Editorial 265; Book reviews 374; Obituaries 383; News and notices 383; Anaesthetic literature 395

#### **NUMBER 4, JULY 1974**

The neurological mechanisms of pain. A review

M. E. Wilson

Epidural analgesia in the treatment of bladder carcinoma. A technique using two catheters

P. R. Brown, G. J. Arthurs & R. W. Glashan

Influence of ether anaesthesia on suxamethonium-induced hyperkalaemia

J. A. O. Magbagbeola, B. K. Adadevoh & J. E. O. Durowoju

Fluorine compounds in anaesthesia (8). Examination of seven derivatives of propane and three of normal butane

T. H. S. Burns, J. M. Hall, A. Bracken & G. Gouldstone

407

CASE REPORTS Propanidid in epilepsy D. W. Barron 445; Rupture of the trachea during laryngo-oesophagectomy A. B. Loach 448

APPARATUS A pack for the emergency treatment of malignant hyperpyrexia I. M. C. Clarke & F. R. Ellis 452; An anaesthetic instrument tray Adrian Padfield 456; Adsorbtion of halothane by activated charcoal. Further studies K. R. Murrin 458

HISTORICAL NOTE The evolution of oxygen therapy apparatus Julian M. Leigh 462

FORUM Manual removal of the placenta under ketamine Syam Roopnarinesingh & Savitri Kalipersadsingh 486

CORRESPONDENCE List of contents 489; Cover for the Editors; Piped Entonox; Cape ventilators; Depth of ketamine anaesthesia; Danger list for ketamine; Oxygen transport; Endotracheal tubes for children; Interscalene brachial block; Consent for research; Location of the epidural space; Disposal of waste anaesthetics

Editorial 405; Book review 498; Obituaries 499; News and notices 499; Courses in anaesthesia 515

### **NUMBER 5, SEPTEMBER 1974**

Pyrexia following open heart surgery

E. Dominguez De Villota, G. Barat, F. Astorqui, D. Dàmasco & F. Avello

A clinical evaluation of the maternal effects of extradural analgesia for labour

J. Moore, G. A. Murnaghan & M. A. Lewis

Plasma cortisol and blood sugar following minor surgery under intravenous anaesthetics	545
R. S. J. Clarke, I. M. Bali, M. Issac, J. W. Dundee & B. Sheridan	
Death in outpatient dental anaesthetic practice Peter J. Tomlin	551
Cardiac dysrhythmias during anaesthesia for oral surgery. The effect of local blockade	571

Cardiac dysrhythmias during anaesthesia for oral surgery. The effect of local blockade 571 P. E. Plowman, W. J. W. Thomas & A. C. Thurlow

CASE REPORTS Tricyclic antidepressants and cardiac dysrhythmias during dental anaesthesia P. E. Plowman & W. J. W. Thomas 576; Halothane as a possible cause of laryngitis in an anaesthetist Eve M. Pitt 579; Treatment of respiratory depression with the anticholinesterase drug galanthamine hydrobromide Dimitri A. Cozanitis & Erkki Toivakka 581; An unusual cause of breakage of a central venous catheter Mohamed H. Al-Albrak & John R. Samuel 585 Anaesthesia for cystic hygroma in a neonate R. M. Weller 588

APPARATUS A modification of the Amsterdam Infant Ventilator. A detachable circuit for sterilisation. S. Srikasibandha & C. S. Mansvelder 595; Individual nasal masks and intranasal tubes. A non-invasive neonatal technique for the delivery of continuous positive airway pressure (CPAP) John M. R. Cox, John J. Boehm & Eduardo A. Millare 597; An Airway for the Edentulous adult P. J. Keep & T. C. Crewe 601; A respiratory monitor for the reservoir bag. A device for use in darkened operating theatres T. M. Williams 603; A simple device for teaching controlled ventilation A. K. Jamil 605

HISTORICAL NOTE Junker in Japan Akitomo Matsuki 607

FORUM Caudal block for post-operative pain relief in children B. Kay 610; A method of regenerating activated charcoal anaesthetic adsorbers by autoclaving John H. Capon 611; Anaesthesia for dental extraction: a comparison of various techniques in the author's hands T. M. Young 614; Anaesthesia for flexible fiber-optic bronchoscopy Z. Lett & G. B. Ong 623

CORRESPONDENCE List of contents 627; Arms and the Anaesthetist; 'Buried alive'; Anaesthesia in paraplegic patients; Laryngotracheal toilet before extubation; Controlled ventilation with the Penlon ducted expiratory valve

EDITORIAL 527; Book Reviews 633; Obituary 636; News and notices 636; Anaesthetic literature 661

#### **NUMBER 6, NOVEMBER 1974**

Nutrition after cardiac surgery J. M. Manners	675
Anaesthetic induction for Caesarean section. Althesin versus thiopentone J. W. Downing, M. C. Mahomedy, A. J. Coleman, Y. H. Mahomedy & D. E. Jeal	689
Lateral table tilt for Caesarean section  J. W. Downing, A. J. Coleman, M. C. Mahomedy, D. E. Jeal & Y. H. Mahomedy	696
Anaesthesia for coarctation. A new classification for rational anaesthetic management F. Y. Dalal, E. J. Bennett, M. R. Salem & A. A. El-Etr	704
Doxapram in the treatment of acute drug poisoning	710

Benzoctamine. A preliminary report on a new sedative drug N. M. Goodwin, J. G. Brock-Utne, J. W. Downing & A. J. Coleman	715
A comparative study of the narcotic agonist activity of naloxone and levallorphan J. M. Evans, M. I. J. Hogg, J. N. Lunn & M. Rosen	721
Piritramine and pethidine. A comparison of their use as supplements in general anaesthesia  M. E. Tunstall & T. W. Ogg	728

CASE REPORT A complication of guided blind intubation O. O. Akinyemi & A. John 733

APPARATUS Apparatus for the administration of Entonox (50% N20:50% O<sub>2</sub> mixture) by intermittent positive pressure *David Nancekievill* 736; A chin support for unconscious patients *Ian Smith* 740

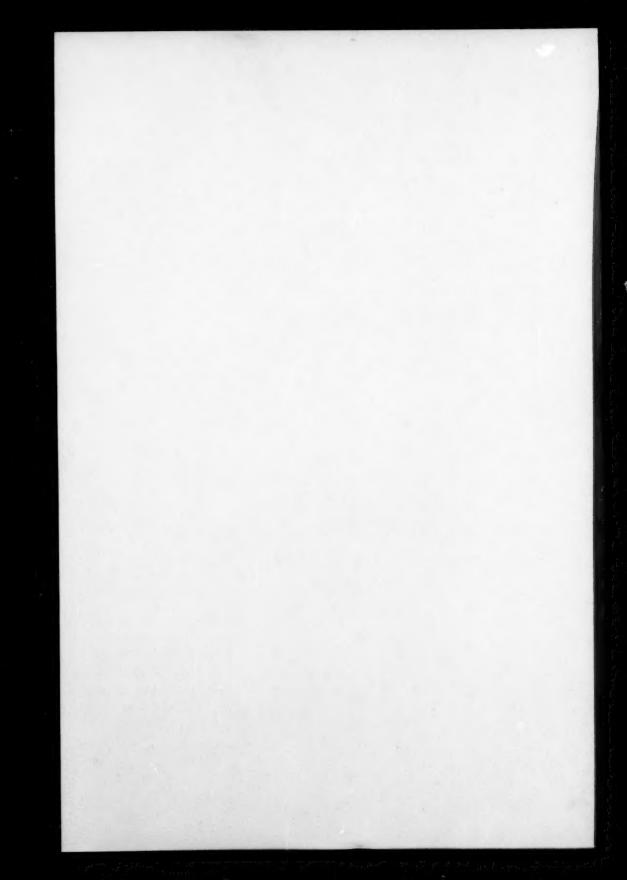
HISTORICAL NOTE Sir William Macewen and Anaesthesia C. D. T. James 743

FORUM Metaclopramide and drinking before general anaesthesia E. N. S. Fry 754; Endobronchial intubation in children I. McLellan 757

CORRESPONDENCE List of contents 759; Tube sizes for children; Anaesthesia during tracheal resection; Rupture of the trachea; Nasal prongs; Auditory guide to the extra dural space

EDITORIAL 671; Book Reviews 763; Obituary 768; News and Notices 768; Stop Press 785; Courses in Anaesthesia 787

**Index for 1974 Volume 29 799** 



## Index, Volume 29 (1974)

Acupuncture analgesia (c) (Hoel), 368

ADADEVOH, B. K. see MAGBAGEOLA, J. A. O.

AINLEY-WALKER, J. C. The estimation of carbon dioxide concentration in the presence of nitrous oxide (c), 369

Air flow to conscious patients under towels (Challen), 188; (c) (Neff), 629

pollution in operating theatres (Capon) (c), 96

Airway for edentulous adult (Keep and Crewe), 602

pressure, continuous position, delivery by individual nasal masks and intranasal tubes (Cox, Boehm and Millare), 597

continuous positive, new system (Pfitzner, Branthwaite, English and Shinebourne), 326

AKINYEMI, O. O. and JOHN, A. A complication of guided blind intubation, 733

AL-ABRAK, M. H. and SAMUEL, J. R. An unusual cause of breaking of a central venous catheter, 585

Althesin induction for Caesarean section (Downing, Mahomedy, Coleman, Mahomedy and Jeal), 689 Amsterdam infant ventilator, modification (Srikasibhandha and Mansvelder), 595

Anaesthesia, early development at St Bart's (Ellis and Boulton), 87

in bronchiectasis revealing undiagnosed congenital oesophago-bronchial fistulas in adults and older children (Dakaraju, Mansfield and Shatapathy), 169

in developing countries (c) (Phillips), 230

medico-political problems within the EEC (Howat), 211

supplements, piritramine and pethidine compared as (Tunstall and Ogg), 728

Anaesthetic apparatus, multi-purpose (Simionescu), 318 gases and vapours, disposal of waste (c), 497

Anaesthetics, intravenous, for minor surgery, plasma cortisol and blood sugar after (Clarke, Bali, Issac, Dundee and Sheridan), 545

Anaesthetist, halothane as possible cause of laryngitis in (Pitt), 579

Analgesia, epidural, in bladder carcinoma (Brown, Arthurs and Glashan), 422

extradural, in labour, clinical evaluation of maternal effects (Moore, Murnaghan and Lewis), 537 lumbar epidural, precise method of cannulation (Doughty), 63

Analgesics, weak oral, clinical testing (Stetson), 349

ANDREW, D. see FELDMAN, S. A.

Antidepressants, tricyclic, cardiac dysrhythmias during dental anaesthesia in patients treated with (Plowman and Thomas), 576

Aorta coarctation: classification for rational anaesthetic management (Dalal, Bennett, Salem and El-Etr), 704

repair, hypotensive anaesthesia in (Bennett and Dalal), 269

ARTHURS, G. J. see BROWN, P. R.

ASHBY, B. S. see FARMAN, J. V.

Association of Anaesthetists, heraldic arms (c) (Thomas), 627; (editorial reply), 627

ASTORQUI, F. see DOMÎNGUEZ DE VILLOTA, E.

AVELLO, F. see DOMÎNGUEZ DE VILLOTA, E.

Awareness during endotracheal intubation (c) (Barron), 368; (McKenna and Wilton), 369 AYGEN, M. see GASSNER, S.

BALI, I. M. see CLARKE, R. S. J.

BALL, H. C. J. see ROBERTSON, J. R.

BALLINGER, C. M. and BRECHNER, V. L. (ed.) Endocrines and enzymes in anesthesiology (Review), 379
BANISTER, E. H. D'A. Six potent analgesic drugs: a double-blind study in post-operative pain, 158
BARADARAN, J. see MESRY, S.

BARAT, G. see DOMINGUEZ DE VILLOTA, E.

BARRON, D. W. Awareness during endotracheal intubation (c), 368

Propanidid in epilepsy, 445

BEHR, G. see MEHTA, S.

BENNETT, E. J. and DALAL, F. Y. Hypotensive anaesthesia for coarctation: a method of prevention of post-operative hypertension, 269

see also DALAL, F. Y.

BENNETTS, F. E. (ed.) Penthrane in clinical anaesthesiology: papers from a symposium, Moscow, 1971 (Review), 240

Benzoctamine, preliminary report (Goodwin, Brock-Utne, Downing and Coleman), 715

BINNING, R. A hazard of blind nasal intubation (c), 366

BINNING, R. A. Cover for the Editors (c), 489

Bladder carcinoma, epidural analgesia in (Brown, Arthurs and Glashan), 422

BLOGG, C. E. see SAVEGE, T. M.

Blood sugar after minor surgery under intravenous anaesthetics (Clarke, Bali, Issac, Dundee and Sheridan), 545

BODMAN, R. I. The estimation of carbon dioxide concentration in the presence of nitrous oxide (c), 369 BOEHM, J. J. see COX, J. M. R.

BOLČIĆ-WICKERHAUSER, J. Ivo Bettini: Yugoslavian pioneer anaesthetist, 209

BOND, A. C. and DAVIES, C. K. Ketamine and pancuronium for the shocked patient, 59

BONICA, J. J. (ed.). Obstetric analgesia and anaesthesia (Review), 239

Book reviews:

BALLINGER and BRECHNER (ed.): Endocrines and enzymes in anesthesiology, 379

BENNETTS (ed.): Penthrane in clinical anaesthesiology: symposium, Moscow, 1971, 240

BONICA (ed.): Obstetric analgesia and anaesthesia, 239

Clinical and Experimental Pharmacology and Physiology-new journal, 633

DAVENPORT: Paediatric anaesthesia, 105

DORNETTE (ed.): Monitoring in anaesthesia: Clinical Anaesthesia, 9/2,3, 764

DULFANO: Sputum: fundamentals and clinical pathology, 634

European Congress of paediatric neurosurgery, 3rd, Proceedings, 766

FARMAN: Anaesthesia and the E.M.O. system, 377

GASKELL and WEBBER: The Brompton Hospital guide to chest physiotherapy, 2nd edn, 237

GERSON: Intensive care, 236

GORDON (ed.): Anaesthesia and resuscitation: a manual for medical students, 498

GREEN and COPLANS: Anaesthesia and analgesia in dentistry, 376

KATZ and KADIS (ed.): Anesthesia and uncommon diseases: pathophysiologic and clinical correlations, 378

KOHLER: The secrets of relaxation, 240

LOWE: Introduction to acupuncture anesthesia, 381

MANN: Acupuncture: cure of many diseases, 106

MEHTA: Intractable pain, 379

MOIR: Pain relief in labour. Handbook for midwives, 2nd edn, 238

PAPPER, NGAI and MARK: Anesthesiology. Progress since 1940, 104

PRYOR and BUSH: A manual of anaesthetic techniques, 375

SCOTT: Modern hospital hypnosis: especially for anaesthetists, 380

SCURR and FELDMAN (ed.): Scientific foundations of anaesthesia, 763

STARK and ROBERTS: Practical points in anesthesiology, 375

swerdlow (ed.): Relief of intractable pain, 763

WEST: Respiratory physiology: the essentials, 767

WOOD-SMITH, VICKERS and STEWART: Drugs in anaesthetic practice, 4th edn, 235

World Congress of Anaesthesiologists, 5th, Kyoto 1972: proceedings, 374

WORSLEY: Everyone's guide to acupuncture, 635

BOULTON, T. B. see ELLIS, R. H.

Brachial plexus, interscalene approach to (Ward), 147; (c) (Williams), 495

BRACKEN, A. see BURNS, T. H. S.

BRANTHWAITE, M. A. see PFITZNER, J.

BRECHNER, V. L. see BALLINGER, C. M.

BRISCOE, C. E. and TAYLOR, P. A. Morbidity following intravenous injections, 290

BROCK-UTNE, J. G. see GOODWIN, N. M.

Bronchoscope injector to facilitate surgical access in tracheal resection (Lee and English), 305

Bronchoscopy, fiber-optic, modification of Cobb's suction union to allow controlled ventilation during (Lewis), 625

flexible-fiber-optic, anaesthesia for (Lett and Ong), 623

BROWN, P. R., ARTHURS, G. J. and GLASHAN, R. W. Epidural analgesia in the treatment of bladder carcinoma: a technique using two catheters, 422

BRYN THOMAS, K. The C-M attachment for the Minnitt gas-air apparatus (c), 234

BUCKLEY, F. P. see SAVEGE, T. M.

BURNS, T. H. S. Consent for research (c), 97, 496

HALL, J. M., BRACKEN, A. and GOULDSTONE, G. Fluorine compounds in anaesthesia (8). Examination of seven derivatives of propane and three of normal butane, 435

BUSCHE, K.-A., SPOERRI, O. and SHAW, J. (ed.) Progress in paediatric neurosurgery. Proceedings of 3rd European Congress of paediatric neurosurgery, Gottingen, September 3-7, 1972. (Review), 766

BUSH, D. C. T. see PRYOR, W. J.

Butane, normal, derivatives in anaesthesia (Burns, Hall, Bracken and Gouldstone), 435

Caesarean section, anaesthetic induction with althesin (Downing, Mahomedy, Coleman, Mahomedy and Jeal), 689

lateral table tilt for (Downing, Coleman, Mahomedy, Jeal and Mahomedy), 696

CALNE, R. Y. see FARMAN, J. V.

CAMPKIN, T. V. Rupture of the trachea during laryngo-oesophagectomy (c), 761

Cannulation of lumbar epidural space, precise method (Doughty), 63

Cape ventilator, modifications (c) (Fox), 490

CAPON, J. H. A method of regenerating activated charcoal anaesthetic adsorbers by autoclaving, 612 Atmospheric pollution in operating theatres (c), 96

Carbon dioxide concentration, estimation in presence of nitrous oxide (c) (Ainley-Walker) 369; (Bodman), 369; (Murrin), 370

inhalation, effect on post-spinal headache (Sikh and Agarwal), 297

Cardiac catheterization, effect of ketamine on pulmonary artery pressure during (Gassner, Cohen, Aygen, Levy, Ventura, and Shashdi), 141

Cardio-pulmonary function during ether/air/relaxant anaesthesia (Roberts, Prys-Roberts, Moore and Frazer), 4

physiology, establishment of fundamentals of modern theory, historical note (Leigh), 60

CASTAÑOS, C. C. An auditory guide to the location of the extradural space (c), 496

Catheter, central venous, unusual cause of breakage (Al-Abrak and Samuel), 585

long venous, complication in use (Coppel and Samuel), 175

CHALLEN, P. D. Buried alive: some fresh air for the conscious patient under towels, 188

CHALON, J. see WEEKS, D. B.

Charcoal anaesthetic adsorbers, regeneration by autoclaving (Capon), 612

Chin support for unconscious patients: modification of the Guy's suspension apparatus (Smith), 740 CLARKE, I. M. C. and ELLIS, F. R. A pack for the emergency treatment of malignant hyperpyrexia, 452

CLARKE, R. S. J., BALI, I. M., ISSAC, M., DUNDEE, J. W. and SHERIDAN, B. Plasma cortisol and blood sugar following minor surgery under intravenous anaesthetics, 545

Cobb's suction union, misuse of plug (Ross), 66

modification to allow controlled ventilation during fiber-optic bronchoscopy (Lewis), 625 COHEN, W. see GASSNER, S.

COLEMAN, A. J. see DOWNING, J. W.; GOODWIN, N. M.

COLVIN, M. P. see SAVEGE, T. M.

Consent for research (Burns) (c) 97, 496; (Savege et al.), 233

COPLANS, M. P. see GREEN, R. A.

COPPEL, D. L. and SAMUEL, I. O. A complication of long venous catheters, 175

Cortisol, plasma, after minor surgery under intravenous anaesthetics (Clarke, Bali, Issac, Dundee and Sheridan), 545 Cortisol (cont.)

level in plasma, effect of galathamine hydrobromide on, comparison with neostigmine (Cozanitis),

COX, J. M. R., BOEHM, J. J. and MILLARE, E. A. Individual nasal masks and intranasal tubes: a noninvasive neonatal technique for the delivery of continuous position airway pressure, 597

COZANITIS, D. A. Galanthamine hydrobromide versus neostigmine: a plasma cortisol study in man, 163 and TOIVAKKA, E. Treatment of respiratory depression with the anticholinesterase drug galanthamine hydrobromide, 581

CREWE, T. C. see KEEP, P. J.

Cystoscopy, pethidine-diazepam analgesia in (Metz and Halveg), 92

DAKARAJU, P., MANSFIELD, R. E. and SHATAPATHY, P. Undiagnosed congenital oesophago-bronchial fistulas in adults and older children: accidental discovery under anaesthesia in cases of bronchiectasis, 169

DALAL, F. Y., BENNETT, E. J., SALEM, M. R. and EL-ETR, A. A. Anaesthesia for coarctation: a new classification for rational anaesthetic management, 704

see also BENNETT, E. J.

DÀMASO, D. see DOMÎNGUEZ DE VILLOTA, E.

DARKE, C. S. see THORNTON, J. A.

DAVENPORT, H. T. Paediatric anaesthesia (Review), 105

DAVIES, C. K. see BOND, A. C.

Death in outpatient dental anaesthetic practice (Tomlin), 551

Dental anaesthesia, cardiac dysrhythmias during, effect of local blockade (Plowman, Thomas and Thurlow), 571

for extractions: comparison of techniques (Young), 614

in patients treated with tricyclic antidepressants, cardiac dysrhythmias during (Plowman and Thomas), 576

outpatient, death in (Tomlin), 551

Diazepam-pethidine analgesia for cystoscopy (Metz and Halveg), 92

Diploma in Anaesthetics (Marshall) (c), 102

Domiciliary visit fees (Lewis) (c), 102

DOMÌNGUEZ DE VILLOTA, E., BARAT, G., ASTORQUI, F., DÀMASO, D. and AVELLO, F. Pyrexia following open heart surgery: the role of bacterial infection, 529

DORNETTE, W. H. L. (ed.) Monitoring in anaesthesia: Clinical Anesthesia 9/2,3 (Review), 764

DOUGHTY, A. A precise method of cannulating the lunbar epidural space, 63

DOWNING, J. W., COLEMAN, A. J., MAHOMEDY, M. C., JEAL, D. E. and MAHOMEDY, Y. H. Lateral table tilt for Caesarean section, 696

MAHOMEDY, M. C., COLEMAN, A. J., MAHOMEDY, Y. H. and JEAL, D. E. Anaesthetic induction for Caesarean section: althesin versus thiopentone, 689 see also GOODWIN, N. M.

Doxapram in acute drug poisoning (Dundee, Gray and Gupta), 710

in post-operative pain relief (Gupta and Dundee), 33

infusion, effect on morphine analgesia (Gupta and Dundee), 40 Drug overdosage, doxapram treatment (Dundee, Gray and Gupta), 710

DULFANO, M. J. Sputum: fundamentals and clinical pathology (Review), 634

DUNDEE, J. W., GRAY, R. C. and GUPTA, P. K. Doxapram in the treatment of acute drug poisoning, 710

DUNDEE, J. W. see also CLARKE, R. S. J.; GUPTA, P. K. DUROWOJU, J. E. O. see MAGBAGEOLA, J. A. O.

Dysrhythmia, cardiac, during dental anaesthesia, effect of local blockade (Plowman, Thomas and Thurlow), 571

during dental anaesthesia in patients treated with tricyclic antidepressants (Plowman and Thomas),

#### Editorial:

Anaesthesia in Denmark, 671

Anaesthesia in the reorganised N.H.S., 1

Anaesthesia in U.S.A., 405

Attitude to new knowledge, 405

Editorial (cont.)

Neurological complications of spinal analysis, 527 Organization of hospital anaesthetic services, 133

EL-ETR, A. A. see DALAL, F. Y.

Electrical interference in anaesthesia for repair of exomphalos (Frost) (c), 100; (Ryan) (c), 100

ELLIS, F. R. see CLARKE, I. M. C.

ELLIS, R. H. and BOULTON, T. B. Bottle, Black, Brunton, bag and bubble Boyle at Bart's, 87

Emergency treatment of malignant hyperpyrexia, pack for (Clarke and Ellis), 452

ENGLISH, I. Management of anaesthesia during tracheal resection (c), 760

ENGLISH, I. C. W. see LEE, P.; PFITZNER, J.

Entonox administration by intermittent positive pressure, modification of ventilators (Nancekievill), 736

piped, outlets for (c) (Lewis), 490

Epilepsy, propanidid in (Barron), 445

Ether/air/relaxant anaesthesia, cardio-pulmonary function during (Roberts, Prys-Roberts, Moore and Frazer), 4

anaesthesia, influence on suxamethonium-induced hyperkalaemia (Magbageola, Adadevoh and Durowoju), 429

EVANS, D. B. see FARMAN, J. V.

EVANS, J. M., HOGG, M. I. J., LUNN, J. N. and ROSEN, M. A comparative study of the narcotic agonist activity of naloxone and levallorphan, 721

Exomphalos repair, electrical interference in anaesthesia for (Frost) (c), 100; (Ryan) (c), 100 Extradural space location, auditory guide (c) (Castaños), 496; (Hutchinson), 762

FARMAN, J. V. Anaesthesia and the E.M.O. system (Review), 377

LINES, J. G., WILLIAMS, R. S., EVANS, D. B., SAMUEL, J. R., MASON, S. A., ASHBY, B. S. and CALNE, R. Y. Liver transplantation in man: anaesthetic and biochemical management, 17

FELDMAN, S. see SCURR, C.

FELDMAN, S. A. and ANDREW, D. Paradoxical interaction between halothane and pancuronium (C), 100 Filter, ultra-high efficiency, hazards (C) (Marshall), 491; (Fox), 492

FISK, G. Tube sizes for children (c) 759

Fistula, arteriovenous, modified stellate ganglion block for (Galizia and Lahiri), 362

congenital oesophago-bronchial, undiagnosed in adults and older children revealed in anaesthesia for bronchiectasis (Dakaraju, Mansfield and Shatapathy), 169

Fluorine compounds in anaesthesia (Burns, Hall, Bracken and Gouldstone), 435

Flushing systems, continuous, critical review (Latimer and Latimer), 307

FOX, D. E. R. Hazards of ultra-high efficiency filters (c), 492

Modifications to Cape ventilators (c), 490

FRAZER, A. N. L. see ROBERTS, J. G.

FROST, P. M. Anaesthesia for repair of exomphalos: electrical interference (c), 100

FRY, E. N. S. Metoclopramide and drinking before general anaesthesia, 754

FUYITA, M. see IYAZAKI, M.

Galanthamine hydrobromide, effect on plasma cortisol, comparison with neostigmine (Cozanitis), 163 in respiratory depression (Cozanitis and Toivakka), 581

GALIZIA, E. J. and LAHIRI, S. K. Anaesthesia for arteriovenous fistula: a modified stellate ganglion block, 362

Gallamine triethiodide, accidental intrathecal injection (Mesry and Baradaran), 301

GANENDRAN, A. Intensive therapy in neonatal tetanus, 356

GASKELL, D. v. and WEBBER, B. A. The Brompton Hospital guide to chest physiotherapy, 2nd edn. (Review), 237

GASSNER, S., COHEN, W., AYGEN, M., LEVY, E., VENTURA, E. and SHASHDI, J. The effect of ketamine on pulmonary artery pressure: an experimental and clinical study, 141

GERSON, G. (ed.) Intensive care (Review), 236

GILSTON, A. Ketamine and pancuronium for the shocked patient (c), 372

GLASHAN, R. W. see BROWN, P. R.

GOODWIN, N. M., BROCK-UTNE, J. G., DOWNING, J. W. and COLEMAN, A. J. Benzoctamine: a preliminary report on a new sedative drug, 715

GORDON, R. A. (ed.) Anaesthesia and resuscitation. A manual for medical students (Review), 498 GOULDSTONE, G. see BURNS, T. H. S.

GRAY, R. C. see DUNDEE, J. W.

GREEN, R. A. and COPLANS, M. P. Anaesthesia and analgesia in dentistry (Review), 376

GUPTA, P. K. and DUNDEE, J. W. Morphine combined with doxapram or naloxone: a study of postoperative pain relief, 33

The effect of an infusion of doxapram on morphine analgesia, 40

GUPTA, P. K. see also DUNDEE, J. W.

Guy's suspension apparatus, modification to provide chin support for unconscious patients (Smith), 740

HALL, J. M. see BURNS, T. H. S.

Halothane adsorption by activated charcoal (Murrin), 458

and pancuronium, paradoxical interaction (Feldman and Andrew (c), 100 effect on common respiratory pathogens (Mehta, Behr and Kenyon), 280

possible cause of laryngitis in an anaesthetist (Pitt), 579

HASSAN, H. G. Anaesthesia in paraplegic patients (c), 629

Headache, post-spinal, effect of carbon dioxide inhalation on (Sikh and Agarwal), 297

Heart surgery, nutrition after (Manners), 675

open, pyrexia after (Domìnguez de Villota, Barat, Astorqui, Dàmaso and Avello), 529

HEIFETZ, M. Management of anaesthesia during tracheal resection (c) 760

Heraldry, arms and the anaesthetist (c) (Thomas), 627; (editorial reply), 627 HERBERT, P. see THORNTON, J. A.

History:

Bottle, Black, Brunton, bag and bubble Boyle at Bart's (Ellis and Boulton), 87

Early treatment with oxygen: the Pneumatic Institute and the panaceal literature of the 19th century (Leigh), 194

Evolution of oxygen therapy apparatus (Leigh), 462

Ideas and anomalies in evolution of modern oxygen therapy (Leigh), 335

Ivo Bettini: Yugoslavian pioneer anaesthetist (Bolcic-Wickerhauser), 209

Junker in Japan (Matsuki), 608

Respiration, pulse and animal heat (Leigh), 69

Sir William Macewen and anaesthesia (James), 743

HOEL, E. Acupuncture analgesia (c), 368

HOGG, M. I. J. see EVANS, J. M.

HORTON, D. A. see TORDA, T. A.

HOWAT, D. D. C. The European scene: the European Economic Community (EEC), 211

Humidification of gas mixtures delivered by miniature ventilators (Weeks and Chalon), 191

HUTCHINSON, J. M. An auditory guide to the extradural space (c), 762

Hygroma, cystic, in a neonate, anaesthesia for (Weller), 588

Hyperpyrexia, malignant, pack for emergency treatment (Clarke and Ellis), 452

Hypertension, post-operative, prevention by hypotensive anaesthesia (Bennett and Dalal), 269

Hyperventilation and psychometric testing (Murrin and Nagarajan), 50

Hypotension, post-operative, unrelated to anaesthesia (Wadhwa, Wadhwa and Khurana), 178

ICHIYANAGI, K. see ITO, Y.

Induction in children (c) (Robertson and Ball) 98; (Simpson) 99

Inhalation anaesthesia, economic aspects (c) (Mimpriss), 370; (McGown), 371

Injection, intravenous, morbidity following (Briscoe and Taylor), 290

Instrument tray for anaesthetists (Padfield), 456

Intensive care unit therapy of neonatal tetanus (Ganendran), 356

Intubation, blind nasal, hazard of (c) (Binning), 366

endobronchial, in children (McLellan), 757

endotracheal, awareness during (c) (Barron), 368; (McKenna and Wilton), 369

guided blind, detachment of hook in (Akinyemi and John), 733

laryngotracheal toilet before withdrawal of tube (c) (Jamil), 630

ISSAC, M. see CLARKE, R. S. J.

ITO, Y. and ICHIYANAGI, K. Post-operative pain relief with ketamine infusion, 222

IWATSUKI, K. see IYAZAKI, M.

IYAZAKI, M., IWATSUKI, K. and FUYITA, M. (ed.) Anaesthesiology: proceedings of the fifth World Congress of Anaesthesiologists, Kyoto, September 1972 (Review), 374

JAMES, C. T. D. Sir William Macewen and anaesthesia, 743

JAMIL, A. K. A simple device for teaching controlled ventilation, 606 Laryngotracheal toilet before extubation (c), 630

JEAL, D. E. see DOWNING, J. W.

JOHN, A. see AKINYEMI, O. O.

JONES, D. s. Controlled ventilation with the Penlon ducted expiratory valve (c), 631

JUNKER, F. E. in Japan (Matzuki), 608

KADIS, L. B. see KATZ, J.

KALIPERSADSINGH, S. see ROOPNARINESINGH, S.

KATZ, J. and KADIS, L. B. (ed.) Anesthesia and uncommon diseases: pathophysiologic and clinical correlations (Review), 378

KAY, B. Caudal block for post-operative pain relief in children, 611

KEEP, P. J. and CREWE, T. C. An airway for the edentulous adult, 602 and MANFORD, M. L. M. Endotracheal tube sizes for children, 181

KENYON, D. see MEHTA, S.

Ketamine and pancuronium in shock (Bond and Davies), 59; (c) (Gilston), 372; (Davies), 373

assessment of depth of anaesthesia under (c), 493

contraindications for use (c) (Yassemi, N.), 493

effect on electroencephalograph (Schwartz, Virden and Scott), 135

effect on pulmonary artery pressure, experimental and clinical study (Gassner, Cohen, Aygen, Levy, Ventura and Shashdi), 141

in manual removal of placenta (Roopnarinesingh and Kalipersadsingh), 486

infusion for post-operative pain relief (Ito and Ichiyanagi), 222

KHURANA, R. C. see WADHWA, R. K.

KOHLER, M. The secrets of relaxation (Review), 240

Laryngitis in an anaesthetist, halothane as possible cause (Pitt), 579

Laryngo-oesophagectomy, tracheal rupture during (Loach), 448; (c) (Campkin), 761

LATIMER, K. E. see LATIMER, R. D.

LATIMER, R. D. and LATIMER, K. E. Continuous flushing systems: a critical review, 307

LEE, P. and ENGLISH, I. C. W. Management of anaesthesia during tracheal resection, 305

LEIGH, J. M. Early treatment with oxygen: the Pneumatic Institute and the panaceal literature of the nineteenth century, 194

Ideas and anomalies in the evolution of modern oxygen therapy, 335

Respiration, the pulse and animal heat, 69

The evolution of oxygen therapy apparatus, 462

LETT, Z. and ONG, G. B. Anaesthesia for flexible fiber-optic bronchoscopy, 623

Levallorphan, narcotic agonist activity, comparison with naloxone (Evans, Hogg, Lunn and Rosen),

Levorphanol in post-operative pain (Banister), 158

LEVY, E. see GASSNER, S.

LEWIS, E. B. Fees for domiciliary visits (c), 102

LEWIS, M. A. see MOORE, J.

LEWIS, R. B. A modification of Cobb's suction union to allow controlled ventilation during fiberoptic bronchoscopy, 625

LEWIS, R. N. Outlets for piped Entonox (pre-mixed 50% oxygen: 50% nitrous oxide mixture) (C), 490 LINES, J. G. see FARMAN, J. V.

Liver transplantation in man, anaesthetic management (Farman, Lines, Williams, Evans, Samuel, Mason, Ashby and Calne), 17

LOACH, A. B. Rupture of the trachea during laryngo-oesophagectomy, 448

LOWE, W. C. Introduction to acupuncture anesthesia (Review), 381

LUNN, J. N. see EVANS, J. M.

MCCULLOCH, C. H. see TORDA, T. A.

MACEWEN, SIR WILLIAM, and anaesthesia (James) 743

MCGOWN, R. G. The economics of inhalation anaesthesia (c), 371

MCKENNA, T. and WILTON, T. N. P. Awareness during endotracheal intubation (c), 369

MCLELLAN, I. Assessment of depth of anaesthesia under ketamine (c), 493

Endobronchial intubation in children, 757

MAGBAGEOLA, J. A. O., ADADEVOH, B. K. and DUROWOJU, J. E. O. Influence of ether anaesthesia on suxamethonium-induced hyperkalaemia, 429

MAHOMEDY, M. C. see DOWNING, J. W.

MAHOMEDY, Y. H. see DOWNING, J. W.

MANFORD, M. L. M. see KEEP, P. J.

MANN, F. Acupuncture: cure of many diseases (Review), 106

MANNERS, J. M. Nutrition after cardiac surgery, 675

MANSFIELD, R. E. see DAKARAJU, P.

MANSVELDER, C. S. see "RIKASIBHANDHA, S.

MARK, L. C. see PAPPER, E. M.

MARSHALL, M. The Diploma in Anaesthetics (c), 102

MARSHALL, R. D. Hazards of ultra-high efficiency filters (c), 491

Mask, individual nasal, for delivery of continuous position airway pressure (Cox, Boehm and Millare), 597

MASON, S. A. see FARMAN, J. V.

MATSUKI, A. Junker in Japan, 608

MEHTA, M. Intractable pain (Review), 379

MEHTA, S., BEHR, G. and KENYON, D. The effect of volatile anaesthetics on common respiratory pathogens: halothane, trichloroethylene and methoxyflurane, 280

MESRY, S. and BARADARAN, J. Accidental intrathecal injection of gallamine triethiodide, 301

Methoxyflurane, effect on common respiratory pathogens (Mehta, Behr and Kenyon), 280

Metoclopramide and drinking before general anaesthesia (Fry), 754

METZ, P. and HALVEG, J. O. Pethidine-diazepam analgesia for cystoscopy, 92

MILLARE, E. A. see COX, J. M. R.

MIMPRISS, T. J. The economics of inhalation anaesthesia (c), 370

Minnitt gas-air apparatus, C-M attachment (c) (Bryn Thomas) 234

MOIR, D. D. Pain relief in labour. A handbook for midwives, 2nd edn. (Review), 238

MOORE, J., MURNAGHAN, G. A. and LEWIS, M. A. A clinical evaluation of the maternal effects of extradural analgesia for labour, 537

MOORE, M. A. see ROBERTS, J. G.

MURNAGHAN, G. A. see MOORE, J.

MURRIN, K. R. Adsorption of halothane by activated charcoal: further studies, 458

The estimation of carbon dioxide concentration in the presence of nitrous oxide (c), 370 and NAGARAJAN, T. M. Hyperventilation and psychometric testing: a preliminary study, 50

NAGARAJAN, T. M. see MURRIN, K. R.

Naloxone in post-operative pain relief (Gupta and Dundee), 33

narcotic agonist activity, comparison with levallorphan (Evans, Hogg, Lunn and Rosen), 721

NANCEKIEVILL, D. Apparatus for the administration of Entonox (50% N<sub>2</sub>O:50% O<sub>2</sub> mixture) by intermittent positive pressure: the modified MinEpac ventilator and the Mini Resuscitator ventilators, 736

Narcotic agonist activity of naloxone and levallorphan, comparison (Evans, Hogg, Lunn and Rosen), 721

NEFF, W. B. Buried alive (c), 629

NGAI, S. H. see PAPPER, E. M.

Nutrition after heart surgery (Manners), 675

Ohituary:

Blayney, A. M. 499

Collier, H. 107

Dripps, R. D. 242

East, H. G. 382

Ennis, G. E. 382

Obituary (cont.)

Eve, N. 499

Ferguson, S. 636

Franks, E. H. 107

McCarthy, A. 499

McClements, D. T. 242

Mackenzie, R. M. 242

Millar, A. M. 768

Minnitt, R. J. 382

Mortimer, P. L. F. 107

O'Mullane, E. J. 382

Ozorio, H. P. L. 107

Picken, C. B. 242

Richardson, H. J. 499

Richardson, n. J. 499

Sarlashkar, M. D. 242

Soper, R. L. 107

Stansfield, O. R. 107

O'BRIEN, H. D. see TORDA, T. A. OGG, T. W. see TUNSTALL, M. E.

One-lung anaesthesia, pulmonary venous admixture during, effect of inhaled oxygen tension and respiration rate (Torda, McCulloch, O'Brien, Wright and Horton), 272

ONG, G. B. see LETT, Z.

Operating theatre, air pollution in (c) (Capon), 96

Oxygen administration, fault in nasal prongs used in (c) (Saha), 762

therapy apparatus, evolution (Leigh), 462

ideas and anomalies in evolution (Leigh), 335

treatment, the Pneumatic Institute and panaceal literature of the nineteenth century (Leigh), 194 transport, effect of right to left shunting, theoretical study (c) (Torda), 493

PADFIELD, A. An anaesthetic instrument tray, 456

Pain, neurological mechanisms, review (Wilson), 407

post-operative, assessment of analgesic drugs in (Banister), 158

in children, relief by caudal block (Kay), 611

ketamine infusion for (Ito and Ichiyanagi), 222

relief, post-operative, morphine combined with doxapram or naloxone for (Gupta and Dundee), 33

Pancuronium and halothane, paradoxical interaction (c) (Feldman and Andrew) 100

and ketamine in shock (Bond and Davies), 59; (c) (Gilston), 372; (Davies) 373

Papaveretum in post-operative pain (Banister), 158

PAPPER, E. M., NGAI, S. H. and MARK, L. C. Anesthesiology. Progress since 1940 (Review), 104

Paraplegia, anaesthesia in (c) (Hassan), 629

PENLINGTON, G. N. Endotracheal tube sizes for children (c), 494

Penlon ducted expiratory valve for controlled ventilation (c) (Jones), 631

Pentazocine in post-operative pain (Banister), 158

Pentolinium anaesthesia in repair of aortic coarctation, prevention of post-operative hypertension by (Bennett and Dalal), 269

Pethidine-diazepam analgesia for cystoscopy (Metz and Halveg), 92

in post-operative pain (Banister), 158

PFITZNER, J., BRANTHWAITE, M. A., ENGLISH, I. C. W. and SHINEBOURNE, E. A. Continuous positive airway pressure: a new system, 326

Phenoperidine in post-operative pain (Banister), 158

PHILLIPS, L. A. Anaesthesia in developing countries (c), 230

Piritramine as supplement in general anaesthesia, comparison with pethidine (Tunstall and Ogg), 728 in post-operative pain (Banister), 158

PITT, E. M. Halothane as a possible cause of laryngitis in an anaesthetist, 579

Placenta, manual removal under ketamine (Roopnarinesingh and Kalipersadsingh), 486

PLOWMAN, P. E. and THOMAS, W. J. W. Tricyclic antidepressants and cardiac dysrhythmias during dental anaesthesia, 576

THOMAS, W. J. W. and THURLOW, A. C. Cardiac dysrhythmias during anaesthesia for oral surgery: the effect of local blockade, 571

Propane derivatives in anaesthesia (Burns, Hall, Bracken and Gouldstone), 435

Propanidid in epilepsy (Barron), 445

PRYOR, W. J. and BUSH, D. C. T. A manual of anaesthetic techniques (Review), 375

PRYS-ROBERTS, C. see ROBERTS, J. G.

Respiration, intermittent positive pressure, in chronic respiratory disease (Thornton, Darke and Herbert), 45

monitor for reservoir bag, use in darkened operating theatres (Williams), 604

Respiratory depression, galanthamine hydrobromide treatment (Cozanitis and Toivakka), 581 distress syndrome, delivery of continuous position airway pressure by individual nasal masks and intranasal tubes (Cox, Boehm and Millare), 598

pathogens, effect of volatile anaesthetics on (Mehta, Behr and Kenyon), 280

ROBERTS, J. G., PRYS-ROBERTS, C., MOORE, M. A. and FRAZER, A. N. L. Cardio-pulmonary function during ether/air/relaxant anaesthesia: a comparison with nitrous oxide/oxygen anaesthesia, 4

ROBERTS, R. B. see STARK, D. C. C.

ROBERTSON, J. R. and BALL, H. C. J. 'Een ballon opblazen'!: a method of anaesthetic induction in children (C) 98

Romanest multi-purpose anaesthetic apparatus (Simionescu), 318

ROOPNARINESINGH, s. and KALIPERSADSINGH, s. Manual removal of the placenta under ketamine, 486 ROSEN, M. see EVANS, J. M.

ROSS, E. D. T. Misuse of the plug of Cobb's suction union: acute airway obstruction, 66 RYAN, D. W. Anaesthesia for repair of exomphalos: electrical interference: a reply (c) 100

SAHA, A. K. The insertion of nasogastric tubes in the anaesthetised patient (c), 367 Nasal prongs (c), 762

SALEM, M. R. see DALAL, F. Y.

SAMUEL, I. O. see COPPEL, D. L.

SAMUEL, J. R. see AL-ABRAK, M. H.; FARMAN, J. V.

SAVEGE, T. M., BLOGG, C. E., SIMPSON, B. R., SIMPSON, J. C., COLVIN, M. P., WALTON, B. and BUCKLEY, F. P. Consent for research (C) 233

SCHWARTZ, M. S., VIRDEN, S. and SCOTT, D. F. Effects of ketamine on the electroencephalograph, 135 SCOTT, D. F. see SCHWARTZ, M. S.

SCOTT, D. L. Modern hospital hypnosis; especially for anaesthetists (Review), 380

SCURR, C. and FELDMAN, S. (ed.) Scientific foundations of anaesthesia (Review), 763

SHASHDI, J. see GASSNER, S.

SHATAPATHY, P. see DAKARAJU, P.

SHERIDAN, B. see CLARKE, R. S. J.

SHINEBOURNE, E A. see PFITZNER, J.

Shock, ketamine and pancuronium in (Bond and Davies), 59; (c) (Gilston) 372; (Davies), 373

SIKH, S. S. and AGARWAL, G. Post-spinal headache: a preliminary report on the effect of inhaled carbon dioxide, 297

SIMIONESCU, R. A multi-purpose anaesthetic apparatus: the Romanest, 318

SIMPSON, B. R. see SAVEGE, T. M.

SIMPSON, J. C. see SAVEGE, T. M.

SIMPSON, J. M. 'Een ballon opblazen'! a method of anaesthetic induction in children: a reply (C) 99 SMITH, I. A chin support for unconscious patients: a modification of the Guy's suspension apparatus, 740

SRIKASIBHANDHA, s. and MANSVELDEP, C. s. A modification of the Amsterdam infant ventilator: a detachable circuit for sterilisation, 595

STARK, D. C. C. and ROBERTS, R. B. Practical points in anesthesiology (Review), 375

STETSON, J. B. The clinical testing of weak oral analgesics, 349

STEWART, H. C. see WOOD-SMITH, F. G.

Suxamethonium-induced hyperkalaemia, influence of ether anaesthesia on (Magbageola, Adadevoh and Durowoju), 429

SWERDLOW, M. (ed.) Relief of intractable pain (Review), 763

Table tilt, lateral, for Caesarean section (Downing, Coleman, Mahomedy, Jeal and Mahomedy), 696 TAYLOR, P. A. see BRISCOE, C. E.

Tetanus, neonatal, intensive therapy (Ganendran), 356

Thirst, effect of metoclopramide and drinking before general anaesthesia on (Fry), 754

THOMAS, D. V. Arms and the anaesthetist: un cri de coeur (c), 627

THOMAS, W. J. W. see PLOWMAN, P. E.

THORNTON, J. A., DARKE, C. S. and HERBERT, P. Intermittent positive pressure breathing (IPPB) in chronic respiratory disease, 45

THURLOW, A. C. see PLOWMAN, P. E.

TOIVAKKA, E. see COZANITIS, D. A.

TOMLIN, P. J. Death in outpatient dental anaesthetic practice, 551

TORDA, T. A. Oxygen transport. The effect of right to left shunting-a theoretical study (c) 493

MCCULLOCH, C. H., O'BRIEN, H. D., WRIGHT, J. S. and HORTON, D. A. Pulmonary venous admixture during one-lung anaesthesia: the effect of inhaled oxygen tension and respiration rate, 272

Trachea resection, management of anaesthesia during (Lee and English), 305; (c) (Heifetz), 760 reply (English), 761

rupture during laryngo-oesophagectomy (Loach), 448; (c) (Campkin), 761

Trichloroethylene, effect on common respiratory pathogens (Mehta, Behr and Kenyon), 280

Tube, armoured endotracheal, uncommon hazard (Yeung and Lett), 186

endotracheal, sizes for children (Keep and Manford), 181; (c) (Penlington), 494; (c) (Fisk), 759; reply (Keep), 760

individual nasal, for delivery of continuous position airway pressure (Cox, Boehm and Millare), 597

nasogastric, insertion in anaesthetised patient (c) (Zuck), 234; (Saha), 367

TUNSTALL, M. E. and OGG, T. W. Piritramine and pethidine: a comparison of their use as supplements in general anaesthesia, 728

Ventilation, controlled, during fiber-optic bronchoscopy by modified Cobb's suction union (Lewis), 625

teaching device (Jamil), 606

with Penlon ducted expiratory valve (c) (Jones), 631

Ventilator, Amsterdam infant, modification (Srikasibhandha and Mansvelder), 595 miniature, humidification of gas mixtures delivered by (Weeks and Chalon), 191

modification for administration of Entonox by intermittent positive pressure (Nancekievill), 736 VENTURA, E. see GASSNER, S.

VICKERS, M. D. see WOOD-SMITH, F. G.

VIRDEN, S. see SCHWARTZ, M. S.

WADHWA, R. K., WADHWA, S. R. and KHURANA, R. C. Cardiovascular collapse unrelated to anaesthesia: an undiagnosed ectopic pregnancy, 178

WADHWA, S. R. see WADHWA, R. K

WALTON, B. see SAVEGE, T. M.

WARD, M. E. The interscalene approach to the brachial plexus, 147

WEBBER, B. A. see GASKELL, D. V.

WEEKS, D. B. and CHALON, J. Humidification of gas mixtures delivered by miniature ventilators, 191

WELLER, R. M. Anaesthesia for cystic hygroma in a neonate, 588

WEST, J. B. Respiratory physiology: the essentials (Review), 767

WILLIAMS, J. H. The interscalene approach to the brachial plexus (c), 495

WILLIAMS, R. S. see FARMAN, J. V.

WILLIAMS, T. M. A respiratory monitor for the reservoir bag: a device for use in darkened operating theatres, 604

WILSON, M. E. The neurological mechanisms of pain: a review, 407

WILTON, T. N. P. see MCKENNA, T.

WOOD-SMITH, F. G., VICKERS, M. D. and STEWART, H. C. Drugs in anaesthetic practice, 4th edn (Review),

Word definition, "cover for the editors" (c) (Binning), 489

WORSLEY, J. R. Everyone's guide to acupuncture (Review), 635

WRIGHT, J. S. see TORDA, T. A.

YASSEMI, N. Danger lists for the anaesthetist-ketamine (c), 493

YEUNG, M. L. and LETT, Z. An uncommon hazard of armoured endotracheal tubes, 186

YOUNG, T. M. Anaesthesia for dental extraction: a comparison of various techniques in the author's hands, 614

ZUCK, D. The insertion of nasogastric tubes in the anaesthetised patient (c), 234

